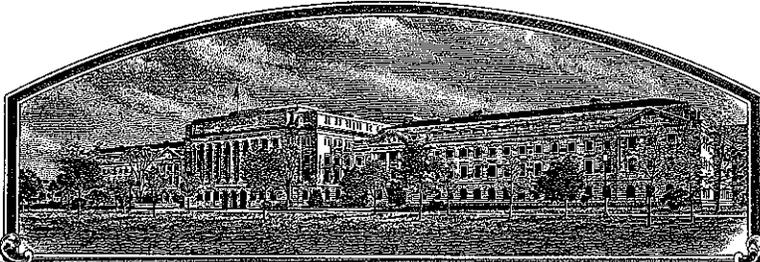


No.

200600061



# THE UNITED STATES OF AMERICA

**TO ALL TO WHOM THESE PRESENTS SHALL COME:**

**West Bred, LLC**

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

**WHEAT, COMMON**

'Trooper'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this ninth day of June, in the year two thousand and six.*

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL MARKETING SERVICE  
 SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
 (Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

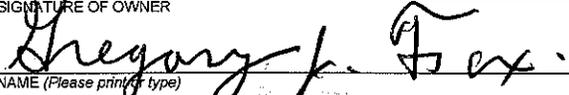
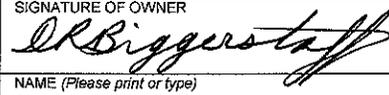
Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER  WestBred LLC		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME  CA-901-735		3. VARIETY NAME  Trooper	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)  81 Timberline Drive Bozeman, MT 59718-8184		5. TELEPHONE (include area code)  (406) 587-1218		FOR OFFICIAL USE ONLY PVPO NUMBER <b>200600061</b> FILING DATE <b>Jan. 9, 2006</b>	
		6. FAX (include area code)  (406) 586-8247			
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)  Corporation		8. IF INCORPORATED, GIVE STATE OF INCORPORATION  AZ		9. DATE OF INCORPORATION  August 24, 1990	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)  Dr. Greg Fox WestBred LLC 717 14th Street South. Fargo, ND 58103				FILING AND EXAMINATION FEES: \$ 4382.00 DATE 1-09-2006 CERTIFICATION FEE: \$ 768.00 DATE 5-17-2006	
11. TELEPHONE (include area code)  (701) 293-5146		12. FAX (include area code)  (701) 293-5146		13. E-MAIL  gfox@westbred.com	
14. CROP KIND (Common Name)  Hard Red Spring Wheat		16. FAMILY NAME (Botanical)  Gramineae		18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL)  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP  Triticum aestivum		17. IS THE VARIETY A FIRST GENERATION HYBRID?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)  <input type="checkbox"/> YES (if "yes", answer items 21 and 22 below) <input checked="" type="checkbox"/> NO (if "no", go to item 23)	
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)				21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety				22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.  <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness					
c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety					
d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional)					
e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership					
f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)					
g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)					
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?  <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)				24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	

25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER 		SIGNATURE OF OWNER 	
NAME (Please print or type)  GREGORY J. FOX		NAME (Please print or type)  Dan R. Biggerstaff	
CAPACITY OR TITLE  Special Projects Breeder		CAPACITY OR TITLE  Vice Pres. Research	
DATE  12/16/2005		DATE  12/21/2005	

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

#### ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

**22. CONTINUED FROM FRONT** (Please provide a statement as to the limitation and sequence of generations that may be certified.)

**23. CONTINUED FROM FRONT** (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

March 16, 2005

**24. CONTINUED FROM FRONT** (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

**"Trooper"**  
Hard Red Spring Wheat

200600061

**Exhibit A. Origin and Breeding History**

Trooper (Exp # CA-901-735) is a hard red spring wheat derived from the cross "Keystone" x "Ivan". The cross was made in late winter 2000 in a growth chamber and F<sub>1</sub>, F<sub>2</sub> and F<sub>3</sub> seed generations were advanced in growth chambers with selection for agronomic (height, stem strength, self-fertility) and seed (hard vitreous) characteristics. F<sub>3</sub> heads were planted as rows in Yuma, AZ in November of 2000, where they were screened for standability and yield. Single F<sub>4</sub> plant selections were made and planted as 5 ft. x 20ft. F<sub>5</sub> plots in Casselton, ND in spring 2001. These plots were screened for maturity, height, straw strength, and resistance to foliar disease, stem rust, leaf rust and Fusarium head blight (scab). Trooper was derived from a single F<sub>4</sub> derived F<sub>5</sub> plot (01-CA-535) from that nursery selected primarily for scab resistance. One hundred and twenty (120) F<sub>5</sub> heads were harvested and planted as a head row increase in Yuma, AZ in November of 2001. These head rows were evaluated for uniformity and height/standability and bulk harvested in April 2002. The initial Breeder Seed increase was planted in Fisher, MN in the spring of 2002 and designated experimental CA-901-735. Eighty bushels of CA-901-735 Breeders Seed was planted on 40 acres in the spring of 2003 as an initial Foundation Seed increase. About 2800 bushels of Foundation Seed was harvested and CA-901-735 was named Trooper.

Trooper was tested throughout North Dakota, Minnesota, and South Dakota in the Uniform Regional Nursery (Tables 1 and 2) and Wheat Quality Council Trials in 2003 (Tables 3 and 4 and Figure 1). It was tested extensively in regional and company trials from 2002 to 2005 (Tables 5 and 6). Trooper is a hard red spring wheat bred by

200600061

WestBred LLC and adapted to North Dakota, Minnesota and South Dakota. Trooper is an intermediate height semi-dwarf with early to medium maturity, high test weight seed, very strong straw strength, medium protein levels and satisfactory baking quality.

Trooper has been observed for six generations of increase and testing and is uniform and stable. Trooper is a semi-dwarf and variants 10-15 cm taller than the variety may appear at a frequency of 0.5% in Foundation seed production fields and up to 1.0% may be observed in subsequent generations. Trooper will be purified as head rows on a regular basis.

**Table 1. Mean agronomic data reported for 11 North Central locations of the 2003 Hard Red Spring Wheat Uniform Regional Nursery.<sup>1</sup>**

Line	Yield	Test Wt.	Heading	Height	Lodging <sup>2</sup>	Protein	1000 KWt.
	Bu/Ac	Lb/Bu	d from 6-1	cm	0 to 9	%	g
N98-0286	72.4	60.2	25.3	73.5	0.4	14.9	36.8
01M88	71.9	61.8	26.3	71.6	0.6	14.1	32.1
ND800	71.6	62.1	24.2	84.0	0.9	15.3	35.8
ENTRY 264	70.9	59.6	24.3	83.0	1.2	14.3	39.1
960404-03	70.9	61.1	23.3	69.4	0.8	15.0	33.8
N99-0107	70.4	60.9	24.0	83.7	0.9	15.2	34.1
ENTRY 241	70.4	57.4	24.4	82.0	1.4	13.7	38.5
MN99436-6	70.4	61.8	22.3	75.3	0.7	15.4	31.4
SD3618	70.0	61.4	23.8	84.2	1.0	15.1	36.0
SD3635	69.6	61.4	23.4	87.2	1.5	14.6	35.7
N99-0241	69.6	60.1	25.5	77.3	0.2	15.2	34.5
WA007925	69.5	61.0	22.5	85.8	1.4	15.3	34.4
2375	69.3	62.0	23.7	80.3	2.0	14.9	38.5
WA007931	68.8	60.6	24.7	88.4	0.8	13.8	34.6
SD3540	68.8	61.4	22.1	84.0	0.9	15.1	35.2
SD3546	68.0	61.5	22.5	87.9	1.4	15.2	41.8
ND741	67.9	62.1	24.3	83.8	1.0	15.5	35.9
CA-901-735	67.9	62.0	22.2	70.7	0.2	14.8	37.3
ND801	67.8	62.9	23.5	84.4	0.8	15.7	34.3
ENTRY 221	66.6	60.3	24.3	79.7	1.0	14.0	37.5
96S0356-15	65.9	61.7	22.2	71.2	0.6	14.7	32.6
SD3641	65.7	61.3	20.5	78.6	0.7	15.4	35.4
BZ998-447W	65.1	57.5	22.4	81.6	0.9	14.5	35.2
VERDE	65.1	60.2	25.2	76.1	0.6	14.8	35.8
ND751	64.8	62.4	25.0	87.4	1.5	15.6	36.1
KEENE	64.0	61.4	25.0	94.5	1.2	15.4	32.9
ES54	63.6	59.9	26.4	93.7	1.4	16.3	41.9
ND747	63.3	63.8	23.2	84.6	0.7	16.1	36.1
NDSW0246	63.0	61.5	25.8	92.6	0.9	16.2	35.2
N99-2234	62.6	61.3	25.8	91.0	1.8	16.3	36.7
BW314A	62.5	61.2	22.9	97.2	2.3	16.1	36.6
98S0113-20	62.1	61.7	22.0	70.0	1.2	15.5	32.7
01M96	61.8	62.6	22.4	80.9	0.4	15.5	35.5
BW307	61.7	58.9	26.2	95.8	2.3	16.3	37.7
MT9929	60.2	60.5	24.7	76.3	0.6	15.4	33.7
MARQUIS	52.7	60.4	25.4	102.1	3.3	15.3	34.5
CHRIS	51.2	60.2	25.5	94.9	4.0	16.1	-
Mean	66.2	62.4	24.0	83.4	1.2	15.2	35.7
LSD (0.05)	10.1	1.4	1.4	7.1	1.1	0.9	1.6
Locations	11	11	10	11	6	5	1

<sup>1</sup>Locations are Crookston, Morris and St. Paul, MN, and Casselton, Carrington, Hettinger, Williston, Langdon, Minot, and Prosper, ND, and Glenlea, MB.

<sup>2</sup>Lodging scored 0 (least) to 9 (highest).

**Table 2. Disease ratings reported in the 2003 Hard Red Spring Wheat Uniform Regional Nursery.<sup>1</sup>**

Line	Leaf Disease <sup>2</sup> %	VSK <sup>3</sup> %	Septoria <sup>4</sup> 1 to 9	Leaf Rust <sup>5</sup>	Stem Rust
N98-0286	37.9	18.7	5.0	40 MS/5 R	20 MR-MS/40S
01M88	9.2	16.9	3.0	20 MR	0
ND800	13.6	15.0	3.0	5 MR	TR
ENTRY 264	14.8	26.0	4.0	10 R-MR	40 MR-MS
960404-03	25.6	16.0	5.0	T-R/30 MR-MS	5 R-MR
N99-0107	14.6	6.4	2.0	10 MR/20 MR-MS	20 MR
ENTRY 241	13.6	21.8	3.0	5 R-MR	40 MS-S
MN99436-6	29.9	11.9	8.0	5MR/20MR-MS	10R/30 MS-S
SD3618	36.9	13.5	8.0	5MR	5 R-MR
SD3635	48.8	6.6	7.0	T-MR	10 R-MR
N99-0241	29.0	15.4	3.0	T-MR	TR
WA007925	30.1	18.6	8.0	60 MS-S	40 MS
2375	32.7	10.3	9.0	20 MR-MS	5 R-MR
WA007931	28.3	10.8	8.0	50 MS-S	40 MS
SD3540	45.8	7.6	9.0	20 MR-MS	10 R
SD3546	26.8	19.5	7.0	5MR	5 R-MR
ND741	40.0	12.4	4.0	TR	TR
CA-901-735	26.7	9.9	5.0	20 MR-MS	5 R
ND801	25.7	5.4	4.0	TR	TR
ENTRY 221	20.0	15.5	7.0	20 MR	50 MS-S
96S0356-15	29.9	18.0	6.0	10 MR	TR
SD3641	51.8	6.5	9.0	5 MR	10 R-MR
BZ998-447W	42.6	26.2	9.0	40 MS-S	50 MR-MS
VERDE	16.8	13.8	4.0	5 MR	20 MR-MS
ND751	26.9	3.8	3.0	TR	TR
KEENE	13.4	18.6	4.0	20 MR/50 MS-S	10 R-MR
ES54	19.1	10.8	5.0	30 MS	10 MR
ND747	30.4	7.3	5.0	TR	0
NDSW0246	23.0	16.0	3.0	T-MR/20MR-MS	TR/20 MR-MS
N99-2234	28.4	6.3	6.0	5 MR	5 R-MR
BW314A	33.2	18.9	8.0	30 MS	5 MR
98S0113-20	32.1	15.5	7.0	TR	0
01M96	45.2	13.5	8.0	5 R-MR	5 R
BW307	27.5	6.4	7.0	10 MR	20 MR-MS
MT9929	38.7	21.5	8.0	5 MR	10 MR
MARQUIS	31.4	12.4	8.0	60 MS-S	30 MR-MS
CHRIS	22.5	14.6	7.0	30 MS-MR	5 MR
Mean	28.7	13.9	5.9		
LSD (0.05)	9.9	10.0	2.0		
Locations	3	4	1		

<sup>1</sup>Locations are Crookston, Morris and St. Paul, MN, and Casselton, Carrington, Hettinger, Williston, Langdon, Minot, and Prosper, ND, and Glenlea, MB.

<sup>2</sup>Leaf disease at Langdon, Williston, and Carrington, ND.

<sup>3</sup>VSK = Visually scabby kernels at Casselton and Langdon, ND, and Crookston and St. Paul, MN.

<sup>4</sup>Septoria only at Casselton, ND

<sup>5</sup>Rust only at St. Paul, MN.

Table 3. Summary of kernel characteristics of HRSW lines tested in the Wheat Quality Council Trials in 2003. Trooper, CA-901-735, is entry B9, C9, K9, and M9.

### Summary of Kernel Characteristics

Entry	Test	Kernel Size		1000		Kernel Moisture %	Vitreous Kernel %	NIR Hardness	Wheat			PPO Activity (A475)
		Weight lb/bu	lg %	sm %	Weight g				Falling Number sec	Wheat Protein 14%mb	Wheat Ash 14%mb	
B1	Grandin	61.0	76	2	32.5	12.6	71.0	68.4	386	13.3	1.54	0.7841
B5	Parshall	64.1	75	3	32.4	12.9	84.8	68.0	393	13.3	1.52	0.9036
B8	SD 3546	62.2	89	1	40.5	12.7	22.4	68.0	431	13.7	1.42	0.8805
B9	CA-901-735	63.4	80	3	35.6	12.9	80.9	74.3	406	13.4	1.51	0.9577
B10	Trigen 1	65.7	81	2	35.3	12.8	68.4	91.5	391	15.0	1.52	0.9390
C1	Grandin	61.4	78	2	32.2	13.3	67.4	78.0	356	15.2	1.73	0.7205
C2	MN 99436-6	62.5	63	5	30.4	13.4	65.7	76.0	381	14.6	1.68	0.9710
C3	ND 751	62.6	72	3	30.0	14.6	71.8	61.4	338	14.7	1.64	0.9450
C4	N99-0107	62.7	63	4	30.6	13.4	85.2	72.6	379	14.6	1.67	0.8142
C5	Parshall	64.6	82	2	33.4	13.2	88.5	73.8	390	15.1	1.62	0.9016
C6	BR2268W	57.4	71	4	33.9	12.4	7.8	50.9	407	13.7	1.66	1.2091
C7	BR8631-B	61.2	65	3	36.2	12.4	55.0	48.7	374	13.9	1.63	1.3302
C8	SD 3546	64.5	89	1	41.8	12.1	56.9	83.2	401	14.9	1.70	1.1173
C9	CA-901-735	64.4	84	2	37.6	12.4	79.8	81.2	360	13.9	1.58	1.1148
C10	Trigen 1	64.9	77	1	33.3	12.0	67.2	70.4	351	14.2	1.68	1.1853
K1	Grandin	63.1	84	2	35.3	13.2	58.6	63.8	366	12.8	1.67	0.9399
K2	MN 99436-6	64.0	64	5	30.9	13.5	75.6	62.3	392	13.1	1.66	0.9957
K3	ND 751	66.5	70	3	30.7	13.3	82.8	46.9	350	13.0	1.57	0.9444
K4	N99-0107	64.2	70	2	32.3	13.1	61.3	52.7	417	12.6	1.66	0.6597
K5	Parshall	65.3	78	2	33.2	13.0	88.1	73.5	346	12.1	1.63	0.9328
K6	BR2268W	59.4	76	3	35.3	13.0	14.9	50.3	405	10.9	1.62	1.0866
K7	BR8631-B	60.5	73	2	36.9	12.6	65.9	45.4	407	11.1	1.54	1.0372
K8	SD 3546	63.0	84	2	41.3	12.3	59.0	62.4	397	12.4	1.61	1.0755
K9	CA-901-735	64.2	81	2	37.6	11.9	63.7	71.5	373	12.3	1.53	1.0418
K10	Trigen 1	63.3	70	2	33.2	11.7	79.0	63.4	350	13.7	1.66	1.0138
M1	Grandin	62.0	46	5	29.3	10.9	97.1	72.3	382	14.7	1.42	0.7881
M3	ND 751	62.4	35	6	26.9	12.1	97.5	55.9	293	14.6	1.37	0.9275
M4	N99-0107	62.2	37	7	28.2	11.0	98.1	74.9	386	14.6	1.36	0.8168
M5	Parshall	61.8	25	10	26.2	10.8	97.8	54.5	387	15.0	1.41	0.8049
M6	BR2268W	55.3	9	17	23.8	11.1	94.4	57.8	377	14.4	1.63	1.0551
M7	BR8631-B	58.2	4	23	24.2	10.6	90.9	48.5	379	13.6	1.72	0.9485
M9	CA-901-735	61.6	30	10	28.7	10.7	96.3	62.0	378	14.2	1.54	0.8337
M10	Trigen 1	65.6	63	2	31.8	11.3	94.0	70.4	369	14.9	1.49	0.9472

Table 4. Summary of flour characteristics of HRSW lines tested in the Wheat Quality Council Trials in 2003. Trooper, CA-901-735, is entry B9, C9, K9, and M9.

### Summary of Flour Characteristics

Entry		Flour Extraction**			Flour Moisture %	Flour Ash 14%mb	Flour Protein 14%mb	Wheat/Flour Protein difference	Megazyme Starch Damage (%)	Flour Falling Number	
		TWB %	TPB %	TPB-TWB %						wo/malt sec	w/malt sec
B1	Grandin	68.4	70.9	2.5	12.2	0.400	12.2	1.11	6.2	380	262
B5	Parshall	63.8	67.1	3.2	12.2	0.355	12.2	1.09	6.6	344	250
B8	SD 3546	66.1	69.5	3.4	12.8	0.383	12.6	1.04	5.4	400	220
B9	CA-901-735	63.7	66.7	3.0	12.5	0.375	12.3	1.08	6.9	371	246
B10	Trigen 1	65.0	67.2	2.1	13.1	0.326	13.5	1.51	4.3	391	254
C1	Grandin	63.1	66.4	3.3	12.5	0.369	13.9	1.25	5.8	342	238
C2	MN 99436-6	63.1	66.4	3.3	13.5	0.368	13.4	1.21	5.7	339	243
C3	ND 751	62.7	67.0	4.2	13.2	0.375	13.6	1.13	5.6	330	247
C4	N99-0107	66.3	68.3	2.0	13.9	0.378	13.6	0.97	4.4	398	246
C5	Parshall	64.0	66.9	2.9	13.3	0.357	13.7	1.37	5.1	346	251
C6	BR2268W	67.6	71.4	3.8	12.9	0.395	12.1	1.59	5.6	360	246
C7	BR8631-B	68.3	69.9	1.6	13.2	0.369	12.4	1.51	4.5	361	253
C8	SD 3546	65.7	69.8	4.1	12.1	0.386	13.2	1.63	4.8	344	255
C9	CA-901-735	63.4	67.2	3.8	12.4	0.345	12.6	1.38	7.0	339	248
C10	Trigen 1	66.6	70.0	3.4	12.9	0.345	12.7	1.53	4.7	364	250
K1	Grandin	66.8	70.1	3.3	12.2	0.396	11.8	1.06	6.5	364	249
K2	MN 99436-6	66.3	69.6	3.3	12.0	0.390	11.8	1.28	5.8	365	241
K3	ND 751	64.5	67.5	3.0	13.1	0.362	11.5	1.48	5.0	348	240
K4	N99-0107	63.5	67.5	3.9	12.6	0.394	11.6	0.94	6.2	334	251
K5	Parshall	60.0	63.4	3.4	12.5	0.402	10.8	1.31	6.8	353	232
K6	BR2268W	66.7	70.7	4.0	12.7	0.409	9.6	1.25	5.5	364	250
K7	BR8631-B	64.2	68.4	4.2	12.6	0.429	9.7	1.37	4.9	399	251
K8	SD 3546	62.1	65.4	3.4	12.8	0.394	11.2	1.22	6.0	492	247
K9	CA-901-735	63.0	65.7	2.7	13.2	0.343	11.0	1.29	6.8	365	254
K10	Trigen 1	62.8	65.5	2.7	13.1	0.339	12.3	1.45	5.6	364	248
M1	Grandin	61.4	64.4	3.0	12.7	0.364	13.6	1.12	6.4	378	249
M3	ND 751	61.9	64.3	2.5	13.6	0.324	13.6	1.02	4.8	338	252
M4	N99-0107	58.6	62.0	3.4	12.8	0.326	13.9	0.68	4.7	417	244
M5	Parshall	60.6	64.5	3.8	12.8	0.361	14.5	0.45	5.0	346	260
M6	BR2268W	61.0	63.8	2.8	13.7	0.412	13.3	1.18	5.7	465	239
M7	BR8631-B	60.8	63.7	2.9	12.9	0.405	12.5	1.08	5.0	406	251
M9	CA-901-735	58.7	61.2	2.4	13.2	0.371	13.1	1.15	5.7	398	250
M10	Trigen 1	61.9	65.0	3.0	14.0	0.331	13.9	0.93	3.8	414	249

\*\* TWB = Tempered Wheat Basis; TPB = Total Product Basis

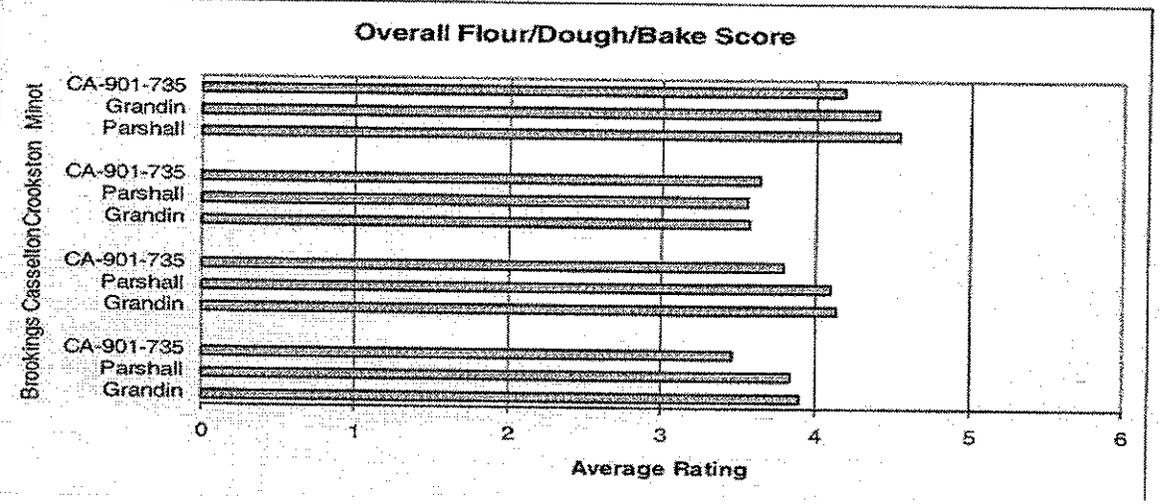
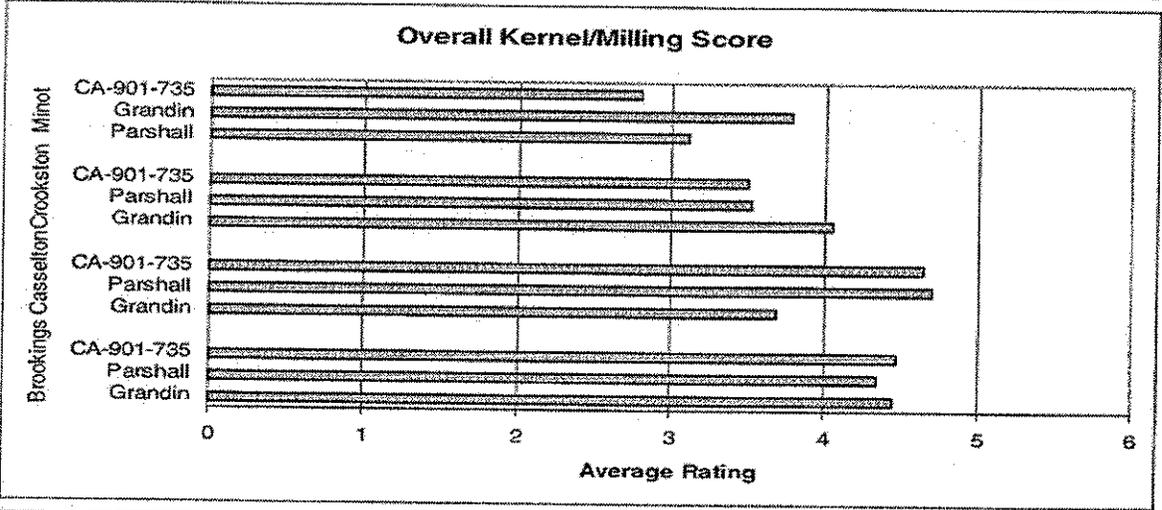
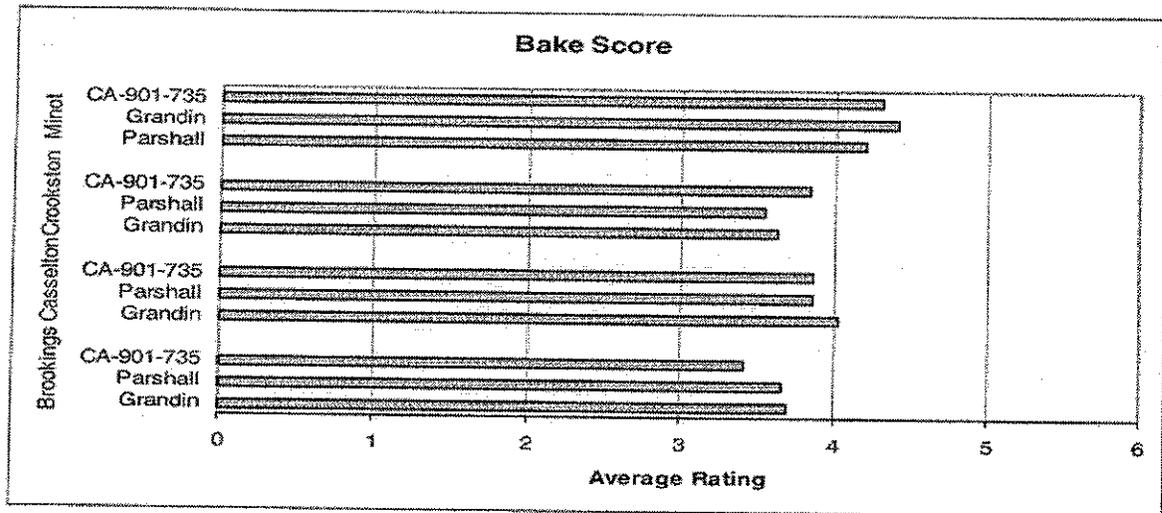


Figure 1. Summary of baking and milling scores of Trooper, CA-901-735, and high quality checks tested in the Wheat Quality Council Trials in 2003. Higher scores indicate higher quality.

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Table 5. Mean agronomic and quality characteristics of 8 cultivars grown at five locations in North Dakota in 2004.

Cultivar	n	Yield Bu/a	Heading days after 6-1	Height cm	Leaf Disease %	Lodging 0-9	Test Wt Lb/bu	Protein %	Sed <sup>1</sup> mm	VSK <sup>2</sup> %	Falling Numbers (sec)
Trooper	20	86.8	39.5	76.6	3.2	0.4	62.4	14.1	118.0	0.68	395.00
Knudson	20	79.5	42.6	81.7	1.2	2.7	61.5	13.9	121.2	0.66	
Granite	20	77.8	44.5	83.3	0.8	0.0	63.2	15.3	100.0	0.70	296.25
CA 902-701	20	73.1	39.2	83.7	2.3	0.3	62.7	15.0	113.2	0.23	312.75
BZ 901-486W	20	71.9	38.6	81.2	7.8	0.9	59.4	13.2	121.0	2.80	
Alsen	20	71.4	42.0	85.9	3.1	1.2	61.7	15.0	119.2	0.39	379.75
CA 901-580W	20	68.6	39.5	94.4	3.6	5.2	61.6	14.5	109.6	1.18	
BZ 901-444W	20	56.0	40.2	83.2	8.8	1.3	57.6	13.7	118.4	2.96	
<b>5 Location Mean</b>	<b>160</b>	<b>73.1</b>	<b>40.7</b>	<b>83.7</b>	<b>3.8</b>	<b>1.5</b>	<b>61.3</b>	<b>14.3</b>	<b>115.1</b>	<b>1.2</b>	<b>345.9</b>
<b>LSD 0.05</b>		<b>5.3</b>	<b>0.7</b>	<b>3.1</b>	<b>0.7</b>	<b>1.4</b>	<b>0.9</b>	<b>0.4</b>	<b>3.2</b>	<b>1.3</b>	<b>28.3</b>

<sup>1</sup>Flour SDS sedimentation value, a measure of gluten strength.

<sup>2</sup>Visual evaluation based on scab affected and scab infested kernels (tombstones) in seed samples.

Table 6. Mean agronomic and quality characteristics of 10 cultivars grown at six locations in North Dakota in 2005.

Variety	n	Yield Bu/a	Heading days after 6-1	Height cm	Test Weight Lb/bu	Protein %	Sed <sup>1</sup> mm	VSK <sup>2</sup> %
Trooper	23	63.12	30.71	72.52	61.27	14.07	105.83	4.28
Knudson	23	62.98	34.60	79.50	60.75	14.18	110.50	2.33
CA 904-741	23	56.59	34.13	68.33	58.30	14.45	104.17	5.28
CA 902-701	23	55.35	30.19	79.08	61.78	15.10	94.50	2.44
Alsen	23	55.33	32.90	81.28	62.12	14.87	109.00	2.56
Granite	23	55.11	35.23	79.33	62.03	14.73	82.00	5.67
Express	23	52.99	36.21	71.16	57.83	14.62	95.17	9.44
BZ9M03-1151	23	49.01	29.79	74.97	59.43	15.58	96.00	5.78
BZ 901-680	23	43.28	31.69	73.66	53.12	14.08	94.17	15.56
BZ 999-592	23	42.41	35.21	81.36	53.77	14.13	101.00	14.44
<b>6 Location Mean</b>	<b>230</b>	<b>53.52</b>	<b>184.19</b>	<b>76.71</b>	<b>59.04</b>	<b>14.58</b>	<b>99.23</b>	<b>6.78</b>
<b>LSD 0.05</b>		<b>4.28</b>	<b>0.57</b>	<b>2.58</b>	<b>1.95</b>	<b>0.37</b>	<b>5.57</b>	<b>4.93</b>

<sup>1</sup>Flour SDS sedimentation value, a measure of gluten strength.

<sup>2</sup>Visual evaluation based on scab affected and scab infested kernels (tombstones) in seed samples.

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**Exhibit B. Statement of Distinctness**

Trooper is most similar to the hard red spring wheat variety Ivan. However, Trooper can be distinguished from Ivan by three distinct morphological characteristics, glume length, shape of shoulder and length of brush hairs.

1. Trooper has medium length glumes and Ivan has short glumes (Figure 1).
2. Trooper has an apiculate shoulder on the glume and Ivan has a square shoulder on the glume (Figure 2).
3. Trooper has medium length brush hairs on the tip of the seed and Ivan has long length brush hairs on the tip of the seed.

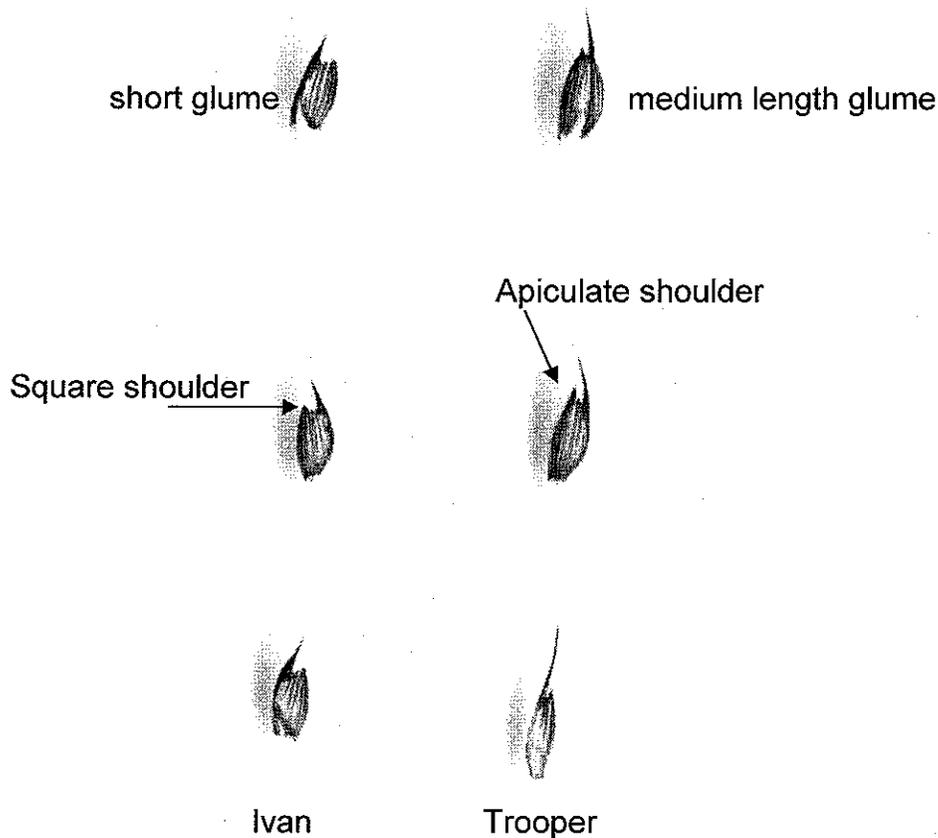


Figure 2. Glumes of Ivan and Trooper.

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**U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705**

Exhibit C

**OBJECTIVE DESCRIPTION OF VARIETY  
Wheat (*Triticum* spp.)**

NAME OF APPLICANT (S)  WestBred LLC	TEMPORARY OR EXPERIMENTAL DESIGNATION  CA-901-735	VARIETY NAME  Trooper
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country)  81 Timberline Dr. Bozeman, MT 59718-8184		FOR OFFICIAL USE ONLY  PVPO NUMBER  <b>200600061</b>

**PLEASE READ ALL INSTRUCTIONS CAREFULLY:**

Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g.,    or   ) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: \_\_\_\_\_ Please answer all questions for your variety; lack of response may delay progress of your application.

**1. KIND:**

1 = Common  
2 = Durum  
3 = Club  
4 = Other (Specify) \_\_\_\_\_

**2. VERNALIZATION:**

1 = Spring  
2 = Winter  
3 = Other (Specify) \_\_\_\_\_

**3. COLEOPTILE ANTHOCYANIN:**

1 = Absent                      2 = Present

**4. JUVENILE PLANT GROWTH:**

1 = Prostrate              2 = Semi-Erect              3 = Erect

**5. PLANT COLOR: (boot stage)**

1 = Yellow-Green  
2 = Green  
3 = Blue-Green

**6. FLAG LEAF: (boot stage)**

1 = Erect                      2 = Recurved  
 1 = Not Twisted              2 = Twisted  
 1 = Wax Absent              2 = Wax Present

**7. EAR EMERGENCE:**

Number of Days (Average)  
  Number of Days Earlier Than \* Ivan  
Same As \* \_\_\_\_\_  
  Number of Days Later Than \* \_\_\_\_\_  
\*Relative to a Commercial Variety Grown in the Same Trial

**8. ANTHOR COLOR:**

1 = Yellow      2 = Purple

12

## 9. PLANT HEIGHT: (from soil to top of head, excluding awns)

075

cm (Average)

03

cm Taller Than

Ivan

\*

Same As

\*

cm Shorter Than

\*

200600061

## 10. STEM:

## A. ANTHOCYANIN

2

1 = Absent 2 = Present

## B. WAXY BLOOM

2

1 = Absent 2 = Present

## C. HAIRINESS (last internode of rachis)

2

1 = Absent 2 = Present

## D. INTERNODE

1

1 = Hollow 2 = Semi-Solid 3 = Solid

3

Number of Nodes

## E. PEDUNCLE

1

1 = Erect 2 = Recurved 3 = Semi-Erect

36

cm Length

## F. AURICLE

1

Anthocyanin 1 = Absent 2 = Present

2

Hair: 1 = Absent 2 = Present

## 11. HEAD: (at maturity)

## A. DENSITY

2

1 = Lax  
2 = Mid-dense (Laxidense)  
3 = Dense

## B. SHAPE

4

1 = Tapering  
2 = Strap  
3 = Clavate oblong  
4 = Other (Specify) \_\_\_\_\_

## C. CURVATURE

1

1 = Erect  
2 = Inclined  
3 = Recurved

## D. AWNEDNESS

4

1 = Awnless  
2 = Apically Awnletted  
3 = Awnletted  
4 = Awned

## 12. GLUMES: (at maturity)

## A. COLOR

2

1 = White  
2 = Tan  
3 = Other (Specify) \_\_\_\_\_

## B. SHOULDER

6

1 = Wanting 2 = Oblique  
3 = Rounded 4 = Square  
5 = Elevated 6 = Apiculate  
7 = Other (Specify) \_\_\_\_\_

## C. SHOULDER WIDTH

1

1 = Narrow  
2 = Medium  
3 = Wide

## D. BEAK

3

1 = Obtuse  
2 = Acute  
3 = Acuminate

## E. BEAK WIDTH

1

1 = Narrow  
2 = Medium  
3 = Wide

## F. GLUME LENGTH

2

1 = Short (ca. 7mm)  
2 = Medium (ca. 8mm)  
3 = Long (ca. 9mm)

## G. WIDTH

2

1 = Narrow (ca. 3mm)  
2 = Medium (ca. 3.5mm)  
3 = Long (ca. 4mm)

13

200600061

13. SEED:

A. SHAPE

- 1 = Ovate  
 2 = Oval  
 3 = Elliptical

B. CHEEK

- 1 = Rounded  
 2 = Angular

C. BRUSH

- 2 = Short  
 2 = Medium  
 3 = Long

- 1 = Not Collared  
 2 = Collared

D. CREASE

- 1 = Width 60% or less of Kernel  
 2 = Width 80% or less of Kernel  
 3 = Width Nearly as Wide as Kernel

- 2 = Depth 20% or less of Kernel  
 2 = Depth 35% or less of Kernel  
 3 = Depth 50% or less of Kernel

E. COLOR

- 3 = White  
 2 = Amber  
 3 = Red  
 4 = Other (Specify) \_\_\_\_\_

F. TEXTURE

- 1 = Hard  
 2 = Soft  
 3 = Other (Specify) \_\_\_\_\_

G. PHENOL REACTION

- 4 = Ivory  
 2 = Fawn  
 3 = Light- Brown  
 4 = Dark- Brown  
 5 = Black

H. SEED WEIGHT

- 3  9 g/1000 Seed (whole number only)

I. GERM SIZE

- 2 = Small  
 2 = Mid-Size  
 3 = Large

14. DISEASE: (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

- |   |   |
|---|---|
| <input type="checkbox"/> 2 Stem Rust ( <i>Puccinia graminis</i> f. sp. <i>tritici</i> ) | <input type="checkbox"/> 3 Leaf Rust ( <i>Puccinia recondita</i> f. sp. <i>tritici</i> )                      |
| <input type="checkbox"/> 1 Stripe Rust ( <i>Puccinia striiformis</i> )                  | <input type="checkbox"/> 0 Loose Smut ( <i>Ustilago tritici</i> )   |
| <input type="checkbox"/> 0 Tan Spot ( <i>Pyrenophora tritici-repentis</i> )             | <input type="checkbox"/> 0 Flag Smut ( <i>Urocystis agropyri</i> )  |
| <input type="checkbox"/> 0 Halo Spot ( <i>Selenophoma donacis</i> )                     | <input type="checkbox"/> 0 Common Bunt ( <i>Tilletia tritici</i> or <i>T. laevis</i> )                        |
| <input type="checkbox"/> 0 <i>Septoria nodorum</i> (Glume Blotch)                       | <input type="checkbox"/> 0 Dwarf Bunt ( <i>Tilletia controversa</i> )   |
| <input type="checkbox"/> 0 <i>Septoria avenae</i> (Speckled Leaf Disease)               | <input type="checkbox"/> 0 Karnal Bunt ( <i>Tilletia indica</i> )   |
| <input type="checkbox"/> 0 <i>Septoria tritici</i> (Speckled Leaf Blotch)               | <input type="checkbox"/> 0 Powdery Mildew ( <i>Erysiphe graminis</i> f. sp. <i>tritici</i> )                  |
| <input type="checkbox"/> 3 Scab ( <i>Fusarium</i> spp.)                                 | <input type="checkbox"/> 0 "Snow Molds"   |
| <input type="checkbox"/> 0 "Black Point" (Kernel Smudge)                                | <input type="checkbox"/> 0 Common Root Rot ( <i>Fusarium</i> , <i>Cochliobolus</i> and <i>Bipolaris</i> spp.) |
| <input type="checkbox"/> 0 Barley Yellow Dwarf Virus (BYDV)                             | <input type="checkbox"/> 0 Rhizoctonia Root Rot ( <i>Rhizoctonia solani</i> )                                 |
| <input type="checkbox"/> 0 Soilborne Mosaic Virus (SBMV)                                | <input type="checkbox"/> 0 Black Chaff ( <i>Xanthomonas campestris</i> pv. <i>translucens</i> )               |
| <input type="checkbox"/> 0 Wheat Yellow (Spindle Streak) Mosaic Virus                   | <input type="checkbox"/> 0 Bacterial Leaf Blight ( <i>Pseudomonas syringae</i> pv. <i>syringae</i> )          |
| <input type="checkbox"/> 0 Wheat Streak Mosaic Virus (WSMV)                             | <input type="checkbox"/> Other (Specify) _____  |
| <input type="checkbox"/> Other (Specify) _____  | <input type="checkbox"/> Other (Specify) _____  |
| <input type="checkbox"/> Other (Specify) _____  | <input type="checkbox"/> Other (Specify) _____  |
| <input type="checkbox"/> Other (Specify) _____  | <input type="checkbox"/> Other (Specify) _____  |

15. INSECT: (0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

- |  |  |
|--|--|
| <input type="checkbox"/> 0 Hessian Fly ( <i>Mayetiola destructor</i> )   | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> 0 Stem Sawfly ( <i>Cephus</i> spp.)             | <input type="checkbox"/> Other (Specify) _____ |
| <input type="checkbox"/> 0 Cereal Leaf Beetle ( <i>Oulema melanopa</i> ) | <input type="checkbox"/> Other (Specify) _____ |

14

15. INSECT: (continued) 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Intermediate 4 = Tolerant

200600061

PLEASE SPECIFY BIOTYPE (Where Needed)

- Russian Aphid (*Diuraphis noxia*)
- Greenbug (*Schizaphis graminum*)
- Aphids

- Other (Specify) \_\_\_\_\_
- Other (Specify) \_\_\_\_\_
- Other (Specify) \_\_\_\_\_

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

U.S. DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

**EXHIBIT E  
 STATEMENT OF THE BASIS OF OWNERSHIP**

1. NAME OF APPLICANT(S)  WestBred LLC	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  CA-901-735	3. VARIETY NAME  Trooper
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  81 Timberline Dr. Bozeman, MT 59718-8184	5. TELEPHONE (Include area code)  (406) 587-1218	6. FAX (Include area code)  (406) 586-8247
7. PVPO NUMBER  <div style="text-align: center; font-size: 2em; font-weight: bold;">200600061</div>		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.  YES  NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.  YES  NO

10. Is the applicant the original owner?  YES  NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?  YES  NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?  YES  NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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